FIIG Title INC(s) Due Date

A282 INDICATORS, GENERAL 146 Dec 31, 2004

## App Key AA

Proposed New Concept A500 FIIG containing ten INCs from App Key AA

# INC 03445 (INDICATED AIR SPEED INDICATOR#)

No definition

### INC 03446 (MACH AND TRUE AIR SPEED INDICATOR)

An indicator which indicates the mach number range at indicated air speed changes in forward velocity and altitudes.

### INC 03447 (TRUE AIR SPEED INDICATOR #)

No definition

# INC 03448 (VERTICAL VELOCITY INDICATOR)

An indicator which indicates the rate of an aircraft's ascent or descent.

#### INC 03449 (MACHMETER)

An instrument designed to indicate the ratio of true airspeed to the speed of sound.

### INC 19961 (REFERENCE AIR SPEED INDICATOR #)

No definition

# INC 33832 (AIRSPEED AND DIRECTION INDICATOR)

An indicator calibrated in units or velocity measuring the differential between pitot and static pressures indicating forward and lateral low airspeed and directional movement of the helicopter.

## INC 38915 (AIRSPEED INDICATOR)

An indicator calibrated in units which measure forward velocity.

### INC 40084 (ELECTRONIC COMPARATOR GAGE INDICATOR #)

An indicator used with a GAGE, COMPARATOR, ELECTRONIC to display measurements or measurement variations. The display may be in analog, digital, optelectric, or printed form.

# INC 53132 (GROUND SPEED INDICATOR)

An indicator which displays the speed of an aircraft or missile, relative to the earth's surface.

### New FIIG to include the following MRCs:

<sup>\*</sup> as required

NAME (ITEM NAME)

ALBY \* (USAGE DESIGN)

CWJK (CASE MATERIAL)

ASKX \* (ELECTRICAL CONNECTION QUANTITY)

ASKZ \* (ELECTRICAL CONNECTION IDENTIFYING NUMBER)

AMNL \* (PRESENTATION TYPE)

BNHZ \* (ACCURACY RATING)

ABWG \* (SCALE DIVISION QUANTITY)

ABFN \* (SCALE MARKING AND SURFACE FINISH)

ASST \* (POINTER TYPE)

ASSR \* (POINTER PURPOSE)

BFQN \* (DISPLAY TYPE)

BFQP \* (DISPLAY DIGIT QUANTITY)

ASPK \* (CATHODE RAY TUBE SCAN TYPE)

ASKN \* (INDIVIDUAL MARKING)

ANBH \* (INFORMATION RECORDED)

ASLC \* (COMMAND SIGN REPLACEABILITY)

ALSB \* (COMMAND SIGN QUANTITY)

**HUES** \* (COLOR)

ASPD \* (POINTER FINISH)

ACDC \* (CURRENT TYPE)

ACYR \* (DC VOLTAGE RATING)

ACYN \* (AC VOLTAGE RATING)

FAAZ \* (PHASE)

ACZB \* (FREQUENCY RATING)

AFRA \* (CONTACT QUANTITY)

AKSF \* (CONTACT TYPE)

AXHR \* (MOUNTING FACILITY TYPE AND QUANTITY)

ABTB \* (MOUNTING HOLE DIAMETER)

ADMG \* (MOUNTING FLANGE LENGTH)

ADMH \* MOUNTING FLANGE WIDTH)

ANRL \* (MOUNTING ARRANGEMENT STYLE)

ABRY \* (LENGTH)

ABGL \* (WIDTH)

ABMZ \* (DIAMETER)

HGTH \* (HEIGHT)

AEJZ \* (DEPTH)

CXPK \* (DIAL HEIGHT)

CXPW \* (DIAL WIDTH)

CXQH \* (DIAL OUTSIDE DIAMETER)

ASSK \* (KNOB QUANTITY)

ASSB \* (MECHANCIAL CONNECTION QUANTITY)

ASSD \* (MECHANICAL CONNECTION TYPE)

ASSC (MECHANICAL CONNECTION SIZE)

CBBL \* (FEATURES PROVIDED)

FEAT \* (SPECIAL FEATURES)

TEST \* (TEST DATA DOCUMENT)

ZZZK \* (SPECIFICATIONS/STANDARD DATA)

ZZZT\* (NONDEFINITIVE SPEC/STD DATA)

ZZZX \* (DEPARTURE FROM CITED DESIGNATOR)

ZZZY \* (REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS)

CRTL \* (CRTICALITY CODE JUSTIFICATION)

PRPY \* (PROPRIETARY CHARACTERISTICS)

ELRN \* (EXTRA LONG REFERENCE NUMBER)

AGAV \* (END ITEM IDENTIFICATION)

ZZZV \* (FSC APPLICATION DATA)

ZZZP \* (PURCHASE DESCRIPTION IDENTIFICATION)

SUPP \* (SUPPLEMENTARY FEATURES)

CXCY \* (PART NAME ASSIGNED BY CONTROLLING AGENCY)

NHCF \* (NUCLEAR HARDNESS CRITICAL FEATURE)

RDAL \* (REFERENCE DATA AND LITERATURE)

FTLD \* (FUNCTIONAL DESCRIPTION)

TMDN \* (MODEL/TYPE DESIGNATION)

RTSE \* (RELATIONSHIP TO SIMILAR EQUIPMENT)

CLQL \* (COLLOQUIAL NAME)

# Retain following tables from current FIIG A282, Appendix A:

Table 1 - Usage Design

Table 2 - Materials

Table 3 - Presentation Type

Table 4 - Identified Secondary Address Coding for MRCs BNHZ and ABWG

Table 5 - Accuracy Rating

Table 7 - Identified Secondary Address Coding for MRCs ASST and ASPD

Table 9 - Identified Secondary Address Coding for MRC HUES

Table 10 – Color

Table 11 – Contact Type

Table 12 - Mounting Methods

Table 13 – Mechanical Connection Type

Table 15 - Features Provided

Table 16 - Nondefinitive Spec/Std Data

# Include current FIIG A282 Appendix B, Reference Drawing Group A

MRCs recommended for deletion from current FIIG 282, App Key AA:

APSK \* (SCALE RANGE)

ASPA \* (CATHODE RAY TUBE TRADE DESIGNATION)

ASKQ \* (MARKING COLOR SPECIFIC USE)

BDFT \* (COIL DC RESISTANCE)

ANLC \* (FREQUENCY BAND QUANTITY)

ANTG \* (SENSITIVITY RATING)

AEHG \* (SPECIFIED FREQUENCY)

AMND \* (INPUT IMPEDANCE RATING)

ASLN \* (FUSE CURRENT RATING IN AMPS)

BLKZ \* (MOUNTING STUD DIAMETER)

ADAG \* (MOUNTING STUD LENGTH)

ABVG \* (MOUNTING SLOT LENGTH)

ABTD \* (MOUNTING SLOT WIDTH)

APTE \* (MOUNTING FLANGE DIAMETER)

CQSG \* KNOB PURPOSE)

SPCL \* (SPECIAL TEST FEATURES)

ZZZW \* (DEPARTURE FROM CITED DOCUMENT)

ELCD \* (EXTRA LONG CHARACTERISTIC DESCRIPTION)

PRMT \* (PRECIOUS MATERIAL)

PMWT \* (PRECIOUS MATERIAL AND WEIGHT)

PMLC \* (PRECIOUS MATERIAL AND LOCATION)

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## App Key AB

Proposed New Concept A500 FIIG containing seven INCs from App Key AB

INC 05168 (ANGLE OF ATTACK INDICATOR #)

No definition

INC 06886 (AUXILIARY PLANE ANGLE INDICATOR #)

No definition

INC 06887 (BOW PLANE ANGLE INDICATOR #)

No definition

INC 06888 (STERN PLANE ANGLE INDICATOR #)

No definition

INC 06892 (RUDDER ANGLE INDICATOR #)

No definition

INC 06899 (TRIM ANGLE INDICATOR #)

No definition

INC 38916 - ANGLE INDICATOR

An indicator designed to display the angular relationship of two reference points.

New FIIG to include the following MRCs:

\* as required

NAME (ITEM NAME)

ALBY \* (USAGE DESIGN)

CWJK (CASE MATERIAL)

ASKX \* (ELECTRICAL CONNECTION QUANTITY)

ASKZ \* (ELECTRICAL CONNECTION IDENTIFYING NUMBER)

AMNL \* (PRESENTATION TYPE)

BNHZ \* (ACCURACY RATING)

ABWG \* (SCALE DIVISION QUANTITY)

ABFN \* (SCALE MARKING AND SURFACE FINISH)

APSK \* (SCALE RANGE)

ASST \* (POINTER TYPE)

ASSR \* (POINTER PURPOSE)

BFQN \* (DISPLAY TYPE)

BFQP \* (DISPLAY DIGIT QUANTITY)

ASKN \* (INDIVIDUAL MARKING)

ASLC \* (COMMAND SIGN REPLACEABILITY)

HUES \* (COLOR)

AWHH \* (ILLUMINATION COLOR GENERATION METHOD)

ASPD \* (POINTER FINISH)

ACDC \* (CURRENT TYPE)

ACYR \* (DC VOLTAGE RATING)

ACYN \* (AC VOLTAGE RATING)

FAAZ \* (PHASE)

ACZB \* (FREQUENCY RATING)

AMND \* (INPUT IMPEDANCE RATING)

AXHR \* (MOUNTING FACILITY TYPE AND QUANTITY)

ABTB \* (MOUNTING HOLE DIAMETER)

BLKZ \* (MOUNTING STUD DIAMETER)

ADAG \* (MOUNTING STUD LENGTH)

ANRL \* (MOUNTING ARRANGEMENT STYLE)

**ABRY** \* (LENGTH)

ABGL \* (WIDTH)

ABMZ \* (DIAMETER)

**HGTH** \* (**HEIGHT**)

AEJZ \* (DEPTH)

CXQH \* (DIAL OUTSIDE DIAMETER)

CBBL \* (FEATURES PROVIDED)

FEAT \* (SPECIAL FEATURES)

ZZZK \* (SPECIFICATIONS/STANDARD DATA)

ZZZT\* (NONDEFINITIVE SPEC/STD DATA)

ZZZY \* (REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS)

CRTL \* (CRTICALITY CODE JUSTIFICATION)

PRPY \* (PROPRIETARY CHARACTERISTICS)

ELRN \* (EXTRA LONG REFERENCE NUMBER)

AGAV \* (END ITEM IDENTIFICATION)

ZZZV \* (FSC APPLICATION DATA)

CXCY \* (PART NAME ASSIGNED BY CONTROLLING AGENCY)

RDAL \* (REFERENCE DATA AND LITERATURE)

FTLD \* (FUNCTIONAL DESCRIPTION)

TMDN \* (MODEL/TYPE DESIGNATION)

RTSE \* (RELATIONSHIP TO SIMILAR EQUIPMENT)

CLQL \* (COLLOQUIAL NAME)

Retain following tables from current FIIG A282, Appendix A:

Table 1 - Usage Design

Table 2 - Materials

Table 3 - Presentation Type

Table 4 - Identified Secondary Address Coding for MRCs BNHZ, ABWG, and APSK

Table 5 - Accuracy Rating

Table 6 - Scale Range

Table 7 - Identified Secondary Address Coding for MRCs ASST and ASPD

Table 9 - Identified Secondary Address Coding for MRC HUES

Table 10 - Color

Table 12 - Mounting Methods

Table 15 - Features Provided

Table 16 - Nondefinitive Spec/Std Data

Include current FIIG A282 Appendix B, Reference Drawing Group A

MRCs recommended for deletion from current FIIG 282, App Key AB:

ASPA \* (CATHODE RAY TUBE TRADE DESIGNATION)

ASKQ \* (MARKING COLOR SPECIFIC USE)

ASPK \* (CATHODE RAY TUBE SCAN TYPE)

ANBH \* (INFORMATION RECORDED)

ASLB \* (COMMAND SIGN QUANTITY)

BDFT \* (COIL DC RESISTANCE)

ANLC \* (FREQUENCY BAND QUANTITY)

ANTG \* (SENSITIVITY RATING)

AEHG \* (SPECIFIED FREQUENCY)

ASLN \* (FUSE CURRENT RATING IN AMPS)

ABVG \* (MOUNTING SLOT LENGTH)

ABTD \* (MOUNTING SLOT WIDTH)

APTE \* (MOUNTING FLANGE DIAMETER)

ADMG \* (MOUNTING FLANGE LENGTH)

ADMH \* (MOUNTING FLANGE WIDTH)

CXPK \* (DIAL HEIGHT)

CXPW \* (DIAL WIDTH)

TEST \* (TEST DATA DOCUMENT)

SPCL \* (SPECIAL TEST FEATURES)

ZZZW \* (DEPARTURE FROM CITED DOCUMENT)

ZZZX \* (DEPARTURE FORM CITED DESIGNATOR)

ELCD \* (EXTRA LONG CHARACTERISTIC DESCRIPTION)

PRMT \* (PRECIOUS MATERIAL)

PMWT \* (PRECIOUS MATERIAL AND WEIGHT)

PMLC \* (PRECIOUS MATERIAL AND LOCATION)

ZZZP \* (PURCHASE DESCRIPTION IDENTIFICATION)

SUPP \* (SUPPLEMENTARY FEATURES)

NHCF \* (NUCLEAR HARDNESS CRITICAL FEATURE)

# App Key AC

Propose New Concept A500 FIIG with two INCs

# INC 50640 (ANTENNA INCLINOMETER)

An inclinometer, usually activated by gravity and usually graduated in degrees, which is used on an antenna.

### INC 60636 (ANTENNA POSITION INDICATOR)

An indicator that displays the physical position of an antenna in relation to one or more predetermined axis. See also METER, ANTENNA TILT.

New FIIG to include the following MRCs:

\* as required

NAME (ITEM NAME)

CWJK (CASE MATERIAL)

ASKX \* (ELECTRICAL CONNECTION QUANTITY)

ASKZ \* (ELECTRICAL CONNECTION IDENTIFYING NUMBER)

AMNL \* (PRESENTATION TYPE)

ASSR \* (POINTER PURPOSE)

BFON \* (DISPLAY TYPE)

BFQP \* (DISPLAY DIGIT QUANTITY)

ACDC \* (CURRENT TYPE)

ACYR \* (DC VOLTAGE RATING)

AXHR \* (MOUNTING FACILITY TYPE AND QUANTITY)

ABTB \* (MOUNTING HOLE DIAMETER)

ANRL \* (MOUNTING ARRANGEMENT STYLE)

ABRY \* (LENGTH)

ABGL \* (WIDTH)

ABMZ \* (DIAMETER)

**HGTH** \* (**HEIGHT**)

FEAT \* (SPECIAL FEATURES)

ZZZK \* (SPECIFICATIONS/STANDARD DATA)

ZZZT\* (NONDEFINITIVE SPEC/STD DATA)

CRTL \* (CRTICALITY CODE JUSTIFICATION)

PRPY \* (PROPRIETARY CHARACTERISTICS)

ELRN \* (EXTRA LONG REFERENCE NUMBER)

AGAV \* (END ITEM IDENTIFICATION)

ZZZV \* (FSC APPLICATION DATA)

SUPP \* (SUPPLEMENTARY FEATURES)

CXCY \* (PART NAME ASSIGNED BY CONTROLLING AGENCY)

CLQL \* (COLLOQUIAL NAME)

AWQL \* (ROTATION IN DEGREES)

CYHE \* (OPERATING TEMPERATURE RANGE)

ANPT \* (POWER RATING)

AMSE \* (VOLTAGE RATING)

ACYW \* (IMPEDANCE RATING IN OHMS)

Retain following tables from current FIIG A282, Appendix A:

Table 2 - Materials

Table 3 - Presentation Type

Table 12 - Mounting Methods

Table 16 - Nondefinitive Spec/Std Data

Include current FIIG A282 Appendix B, Reference Drawing Group A

MRCs recommended for deletion from current FIIG 282, App Key AC

BNHZ \* (ACCURACY RATING)

ABWG \* (SCALE DIVISION QUANTITY)

ABFN \* (SCALE MARKING AND SURFACE FINISH)

APSK \* (SCALE RANGE)

ASST \* (POINTER TYPE)

ASPK \* (CATHODE RAY TUBE SCAN TYPE)

ASPA \* (CATHODE RAY TUBE TRADE DESIGNATION)

ASKN \* (INDIVIDUAL MARKING)

ASKQ \* (MARKING COLOR SPECIFIC USE)

ANBH \* (INFORMATION RECORDED)

ASLC \* (COMMAND SIGN REPLACEAGBILITY)

ALSB \* (COMMAND SIGN QUANTITY)

ASPD \* (POINTER FINISH)

ACYN \* (AC VOLTAGE RATING)

FAAZ \* (PHASE)

ACZB \* (FREQUENCY RATING)

BDFT \* (COIL DC RESISTANCE)

ANLC \* (FREQUENCY BAND QUANTITY)

ANTG \* (SENSITIVITY RATING)

AEHG \* (SPECIFIED FREQUENCY)

AMND \* (INPUT IMPEDANCE RATING)

ASLN \* (FUSE CURRENT RATING IN AMPS)

BLKZ \* (MOUNTING STUD DIAMETER)

ADAG \* (MOUNTING STUD LENGTH)

ABVG \* (MOUNTING SLOT LENGTH)

ABTD \* (MOUNTING SLOT WIDTH)

APTE \* (MOUNTING FLANGE DIAMETER)

ADMG \* (MOUNTING FLANGE LENGTH)

ADMH \* (MOUNTING FLANGE WIDTH)

AEJZ \* (DEPTH

CXPK \* (DIAL HEIGHT)

CXPW \* (DIAL WIDTH)

CXQH \* (DIAL OUTSIDE DIAMETER)

CBBL \* (FEATURES PROVIDED)

TEST \* (TEST DATA DOCUMENT)

SPCL \* (SPECIAL TEST FEATURES)

ZZZW \* (DEPARTURE FROM CITED DOCUMENT)

ZZZX \* (DEPARTURE FROM CITED DESIGNATOR)

ZZZY \* (REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS)

ELCD \* (EXTRA LONG CHARACTERISTIC DESCRIPTION)

PRMT \* (PRECIOUS MATERIAL)

PMWT \* (PRECIOUS MATERIAL AND WEIGHT)

PMLC \* (PRECIOUS MATERIAL AND LOCATION)

ZZZP \* (PURCHASE DESCRITPION IDENTIFICATION)

NHCF \* (NUCLEAR HARDNESS CRITICAL FEATURE)

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## App Key AD

Proposed New Concept A500 FIIG containing two INCs from App Key AD

# INC 03393 (ATTITUDE INDICATOR)

An indicator which presents information showing the roll and pitch angles of an aircraft in relation to the earth.

## INC 03394 (TURN AND SLIP INDICATOR)

An indicator which indicates the direction of turn, approximate rate of turn and slippage of an aircraft.

New FIIG to include the following MRCs:

\* as required

NAME (ITEM NAME)

CWJK (CASE MATERIAL)

ASKX \* (ELECTRICAL CONNECTION QUANTITY)

ASKZ \* (ELECTRICAL CONNECTION IDENTIFYING NUMBER)

AMNL \* (PRESENTATION TYPE)

BNHZ \* (ACCURACY RATING)

ABWG \* (SCALE DIVISION QUANTITY)

ABFN \* (SCALE MARKING AND SURFACE FINISH)

APSK \* (SCALE RANGE)

ASST \* (POINTER TYPE)

ASSR \* (POINTER PURPOSE)

BFON \* (DISPLAY TYPE)

ASKN \* (INDIVIDUAL MARKING)

ALSB \* (COMMAND SIGN QUANTITY)

**HUES** \* (COLOR)

AWHH\* (ILLUMINATON COLOR GENERATION METHOD)

ASPD \* (POINTER FINISH)

ACDC \* (CURRENT TYPE)

ACYR \* (DC VOLTAGE RATING)

ACYN \* (AC VOLTAGE RATING)

FAAZ \* (PHASE)

ACZB \* (FREQUENCY RATING)

AFRA \* (CONTACT QUANTITY)

AKSF \* (CONTACT TYPE)

AXHR \* (MOUNTING FACILITY TYPE AND QUANTITY)

ABTB \* (MOUNTING HOLE DIAMETER)

APTE \* (MOUNTING FLANGE DIAMETER)

ANRL \* (MOUNTING ARRANGEMENT STYLE)

ABRY \* (LENGTH)

ABGL \* (WIDTH)

ABMZ \* (DIAMETER)

HGTH \* (HEIGHT)

AEJZ \* (DEPTH)

CXPK \* (DIAL HEIGHT)

CXPW \* (DIAL WIDTH)

CXQH \* (DIAL OUTSIDE DIAMETER)

ASSB \* (MECHANCIAL CONNECTION QUANTITY)

ASSD \* (MECHANICAL CONNECTION TYPE)

ASSC (MECHANICAL CONNECTION SIZE)

FEAT \* (SPECIAL FEATURES)

ZZZK \* (SPECIFICATIONS/STANDARD DATA)

ZZZT\* (NONDEFINITIVE SPEC/STD DATA)

ZZZX \* (DEPARTURE FROM CITED DESIGNATOR)

ZZZY \* (REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS)

CRTL \* (CRTICALITY CODE JUSTIFICATION)

PRPY \* (PROPRIETARY CHARACTERISTICS)

ELRN \* (EXTRA LONG REFERENCE NUMBER)

AGAV \* (END ITEM IDENTIFICATION)

ZZZV \* (FSC APPLICATION DATA)

SUPP \* (SUPPLEMENTARY FEATURES)

CXCY \* (PART NAME ASSIGNED BY CONTROLLING AGENCY)

RDAL \* (REFERENCE DATA AND LITERATURE)

FTLD \* (FUNCTIONAL DESCRIPTION)

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RTSE \* (RELATIONSHIP TO SIMILAR EQUIPMENT)

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Table 9 - Identified Secondary Address Coding for MRC HUES

Table 10 – Color

Table 11 – Contact Type

Table 12 - Mounting Methods

Table 13 – Mechanical Connection Type

Table 16 - Nondefinitive Spec/Std Data

# Include current FIIG A282 Appendix B, Reference Drawing Group A

MRCS recommended for deletion from current FIIG 282, App Key AD

ASPK \* (CATHODE RAY TUBE SCAN TYPE)

BFQP \* (DISPLAY DIGIT QUANTITY)

ASPA \* (CATHODE RAY TUBE TRADE DESIGNATION)

ASKQ \* (MARKING COLOR SPECIFIC USE)

ANBH \* (INFORMATION RECORDED)

ASLC \* (COMMAND SIGN REPLACEAGBILITY)

BDFT \* (COIL DC RESISTANCE)

ANLC \* (FREQUENCY BAND QUANTITY)

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ADMH \* (MOUNTING FLANGE WIDTH)

CBBL \* (FEATURES PROVIDED)

TEST \* (TEST DATA DOCUMENT)

SPCL \* (SPECIAL TEST FEATURES)

ELCD \* (EXTRA LONG CHARACTERISTIC DESCRIPTION)

PRMT \* (PRECIOUS MATERIAL)

PMWT \* (PRECIOUS MATERIAL AND WEIGHT)

PMLC \* (PRECIOUS MATERIAL AND LOCATION)

ZZZP \* (PURCHASE DESCRITPION IDENTIFICATION)

NHCF \* (NUCLEAR HARDNESS CRITICAL FEATURE)